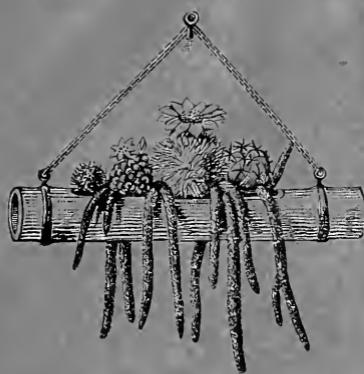


Vol. III.

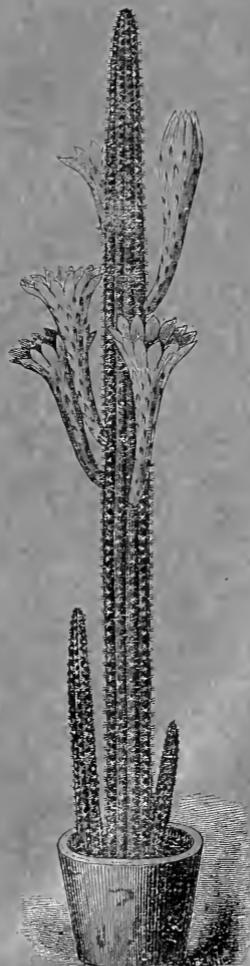
September, 1895.

No. 22.



OUT OF DOORS FOR WOMEN

Issued monthly by
Mrs. O. L. Orcutt,
Orcutt, California.
Price 5c.: 25c. yr.



Entered at the Post office at Orcutt, Calif., as 2nd class mail matter.

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	Per 100.
Allium haematochiton Watson: fine.....	\$ 1 00
Amaryllis formosissim a.....
Behria tenuiflora	7 00
Bloomeria aurea: rich yellow flowers.....	1 50
Clevelandi Watson: delicate lemon.....	3 00
Brodiaea capitata: large heads, lavender.....	1 00
capitata alba: charming, pure white.....	2 40
congesta: violet purple, 2 to 3 ft. high.....	1 50
coccinea: Vegetable fire cracker.....	2 25
grandiflora: dark waxy purple, showy.....	1 00
ixioides (Caliprora lutea): yellow, pretty.....	1 00
lactea: white banded with green.....	1 00
laxa (blue milla, Ithuriel's spear): blue.....	1 00
minor: fine royal purple umbels.....	2 25
multiflora: umbels of violet flowers.....	1 50
Orcuttii: lavender colored fls.....	5 00
peduncularis: waxy porcelain white.....	2 25
stellaris rich purple, white centers.....	1 50
terrestris: royal purple, 2 inches high.....	2 25
volubilis: Twining hyacinth, climbing.....	4 50
mixed varieties \$6 per 1000.....	9 00
Calochortus albus: Fairy Bell, pearly w.....	1 80
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Gunnisonii: light lilac, purple banding.....	10 00
"Howellii" (apiculatus): white, 2 feet high	6 00
Kennedyi: magnificent dazzling scarlet.....	10 00
Leichtlinii: much like Nuttallii	3 00
longibarbatus: fine purple, a foot high.....	6 00
luteus: yellow fls, dotted with brown.....	1 50
v. concolor: large bright yellow flowers.....	7 50
lilacinus: lilac shading to purple, fine.....	1 50
macrocarpus: large purple flowers.....	4 50
maweanus: white, silky blue hairs, fine.....	1 50
nitidus: purple and green fls. flexuous.....	7 50
nudus: dwarfish in habit, purple fls.....	4 50
Nuttallii: large white fls, green banded.....	4 50
Palmeri: a rare and beautiful sort.....	7 50
pulchellus: star tulip, pendant flowers.....	1 50
splendens: lavender color	3 00
v. atroviolacea: purple, with red spots.....	2 00
venustus oculatus: finely marked fls.....	1 50
venustus purpurascens: purple centers.....	2 25
venustus citrinus: lemon yellow.....	1 50
venustus roseus: creamy inside	2 40
Weedii: orange butterfly tulip, fine.....	4 50
Tolmiei: very large white pendant fls.....	2 25
flavus (Cyclothostra flavo): golden shell.....	2 00
Plummerae (Weedii purpurascens)	7 50
Purdyi Greene: pale lilac fls, new.....	4 50
flexuosa: lilac fls, fine butterfly tulip.....	10 00
Baylardianus: drooping purple and yellow.....	8 00
mixed varieties, choice selections.....	1 20
Camassia "alba"	12 50
Cusickii: purple giant, great novelty.....	25 00
esculenta: dark blue fls. edible bulbs.....	9 00
Leichtlinii	7 50
Chlorogalum angustifolium, dwarf size.....	4 50
parvifolium and pomeridianum, each.....	4 50
Erythronium grandiflorum (giganteum).....	1 50
grandiflorum minor, yellow flowers.....	6 00
Hartwegii, large yellow fls, beautiful.....	2 25
Hendersonii, pink fls, center blackish.....	4 50
montanum, 3 to 4 large pure white fls.....	4 50
Howellii, white turning pink, Oregon.....	6 00
Smithii, white fls turning purple.....	3 00
purpurascens, rare and beautiful.....	4 50
Freesia refracta alba: seed \$3 per lb.....	6 00
Fritillaria atropurpurea	4 50
biflora: chocolate lily, white, purple fls.....	3 00
coccinea: much like recurva, pretty fls.....	6 00
lanceolata, curious mottled coloring.....	3 00
v. gracilis, nearly black, pretty.....	4 50
lilacea, white, otherwise like biflora.....	3 00
parviflora	4 50
pudica, charming yellow or orange fls.....	4 50
recurva, scarlet bell-shaped flowers.....	3 00
Hesperocallis undulata, desert lily	20 00
Leucocrinum montanum, delicate white.....	6 00
Lilium Bolanderi, Oregon, quite rare, yet.....	60 00
Columbianum, like dwarf Humboldti.....	7 50

Humboldti, orange, with black spots.....	10 00
maritimum, blood red flowers	15 00
pardalinum, red and orange	4 50
v. minor, canary yellow, spotted fls.....	7 50
v. Bourgaei, lustrous fiery red	20 00
Parryi, delicate lemon yellow, fragrant	15 00
parvum, scarlet spotted with brown.....	12 50
rubescens, opens white, very fine	20 00
Washingtonianum, white, very fragrant	12 50
Muilla maritima, small whitish flower.....	3 00
Richardia Africana, cala	4 00
Trillium sessile californicum	3 00
ovatum, white, turning to wine purple.....	3 00
Zygadenus Fremontii, creamy white fls	4 50
paniculatus, stouter and taller	4 50

C. R. Orcutt, Orcutt, California.



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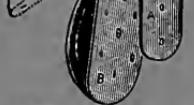
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Charles Russell Orcutt, Editor.
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Price 10¢ a copy; \$1 a year; \$10 for life.

OUT OF DOORS FOR WOMEN.

VOLUME III.

SEPTEMBER, 1895.

NUMBER 22.

NOMENCLATURE.

The question of nomenclature is one which just now is being agitated by both botanists and horticulturists. Theoretically, the same laws should obtain recognition in all branches of natural science, zoology, botany and horticulture. The "Recommendations" recently endorsed by the more conservative American botanists, and emanating from the herbarium of Harvard College, give preference in specific nomenclature to the first correct combination; advise that the varietal name is to be regarded as inferior in rank to the specific; discourages the rejection of long established and generally known generic names; and pronounces against the principle of "once a synonym always a synonym" being made retroactive.

Lester F. Ward treats the question of nomenclature at length in the Bulletin of the Torrey Botanical Club, xxii, 308-329, for July, 1895, and is inclined to consider the "Harvard rules" as based solely on sentiment and not tenable if we are to have a stable code.

Let us consider for a moment whether the "new-American school of botanists," or the conservative element, is tending toward a more stable nomenclature in active practice. We (the conservative) use the name *Mammillaria** for a well

known genus of cacti, as first used by Haworth in 1812. After 80 years of use, on the strength of the law of "once a synonym always a synonym" it is proposed to discard this name because *Mamillaria*† *Stackh.*, was dedicated to a genus of algae in 1809—three years earlier—though this use of the name was long since relegated to synonymy itself. The law of priority is also called in play to uphold the replacement of the name *Mammillaria* with the Linnaean name *Cactus*‡ (1735), under which name were grouped all species of cacti at that time known to science.

Neither Otto Kuntze nor John M. Coulter, the modern champions of the genus *Cactus*, as defined by them, seem to be sure of their position. Coulter says: "Cactus *mammillaris* seems to have stood as the type," and follows Kuntze, who, without discrimination, transferred good and bad species alike from *Mammillaria* to *Cactus*! A name so well established as *Mammillaria*, not only among Botanists, but in the horticultural world, should not be hast-

in about equal use—the authorities at the Royal Gardens, Kew, follow Haworth, while most American botanists have followed in the lead of Prince Salm-Dyck.

† I do not know whether the author wrote this *Mamillaria* or *Mammillaria*, but follow the only spelling I have seen in print, since the original work is not accessible to me.

‡ Otto Kuntze, Rev. Gen. Pl., followed by Coulter, Coville, and others,—non Lemair.

§ As an example, *M. tetrancistra* and *M. phellosperma* (the latter a well known synonym of the former) are both transferred to *Cactus* as valid species by Kuntze, who made countless similar errors.

*Haworth wrote this name *Mammillaria*; Prince Salm-Dyck, in *Horto-Dyck*, Ed. II. 5, wrote it *Mamillaria*, with the following foot note: "Nomen genericum *Mamillaria* scribendum est, quia non a verbo *Mamma*, sed a diminutivo *Mamilla* deductum." The two forms of spelling have since been

ily replaced on grounds open to question. The resurrection of the Linnæan name *Cactus* offers a splendid opportunity for a botanist to affix his name to a multitude of valid species (and synonyms!) not yet transferred—but practical botanists and horticulturists must deplore such “botanical activity.”

The name *Cactus* was first used in a restricted generic sense for a group of *Opuntiae* by Lemaire, a fact which would add further confusion if we were to resurrect the name as proposed, or as attempted.

My views have already been partially recorded on the nomenclature question in *Science*, xvii, 67 (reprinted in this magazine, vii, 206), but new points continually arise where individual judgment must be used. It seems extremely doubtful if ever *Cactus* will replace *Mammillaria* in either technical or popular use; or that *Fremontodendron* can long replace *Fremontia*, or any name supplant our *Washingtonia* as applied to our Californian fan palm.

It may be sentiment, but sentiment must always form a part of our language and receive consideration, especially when it aids language to perform its duty. The only final settlement of these vexing questions will be through common usage and a law ignored by horticulturists and the more conservative of our botanists will ultimately disappear.

C. R. Orcutt.

THE GIRL WITHOUT A TALENT.

The sermon that day had been about service—“Go work to-day in My vineyard”—and here Dora found herself trying to settle down to a Sunday afternoon nap on the parlor sofa, with those words persistently ringing in her ears. She shut her eyes and waited patiently for a drowse. It could not be induced even with favoring conditions.

“If it isn’t just like a minister to get one all stirred up, and then not tell them what to do! I surely can’t be a missionary, and never yet succeeded in holding a Sunday-school class. Here I am peering through the pickets into the vineyard much as Adam and Eve might have peered into Paradise. Deary me!” and she rose from the sofa and took a seat on the little, uncomfortable hair-cloth stool by way of penance. She resolutely settled down to a meditation.

“I know,” she declared to herself: “I’ll just ask him what to do.” And she did that very evening. To him she announced in her frank way:

“It’s a stubborn fact that all this afternoon I have lighted a candle and searched diligently, and can’t find a single available gift or grace; so, if you please, sir, if you want me to go to work, you must find some spot in the vineyard that doesn’t require talent.”

The minister grew thoughtful. “I want an organist for the Mission Sunday-school,” he said, after a little.

“Just as I thought,” moaned this would-be laborer. “I don’t know the difference between a scale and a keyboard.”

“Do you sing?”

“Occasionally. In fact, I fill the room and then empty it. Cousin John says it isn’t quite so uplifting as the yell of a Comanche Indian. He has lived on the plains, you know.”

“You can’t visit the sick for me—” began the pastor, and then hesitated. Dora was lame, and could not get about easily.

“I would be sure to say the wrong thing, even if I could get there,” answered Dora. “I always used to. When auntie was sick I read the horror column of the newspaper to her, and left her with Taylor’s work on ‘Dying.’

After this do preach your text—"Go work to-day in my vineyard"—if you are equipped with talents. None others need apply."

"What is your specialty?" inquired the minister. "We all have some specialty, you know."

"It really isn't worth mentioning."

"Perhaps I shall differ with you."

"Well, it's the care of plants. 'Only this and nothing more.' They will always blossom for me. I love even to pot and weed them, and the quantity of geraniums I slip for my friends is something incredible."

The minister did not reply at once. Indeed, not until Dora rose to go.

"Wait a bit—or, better yet, call to-morrow. I will let the sun rise on my plan first."

Dora went the next day. The pastor was a man of few words. "My plan is this," he said: "that you shall give each child in my mission Sunday-school a potted plant, with such instructions as you know how to give. In three months hold a flower show. I will furnish prizes for you to bestow on the best-cared-for plant, for best collection of plants, for prettiest bouquet of wild flowers. It is no longer art for art's sake, but art for humanity's sake."

He waited for her approval.

"All very pleasant—but—is it Christian work?"

"Yes, it's the vineyard, though perhaps a byway instead of a highway. It will work variously. Think of tenement-house windows full of bloom. Think of the soul-culture which comes from the care of flowers. Think of the hold we shall get on that community. Think of the additions to our Sunday-school. The fact is, think in any line, and it means a blessed service with a definite result."

"Enough," answered Dora, rising at

once to action. "I will go to work to-day."

If you have ever potted seventy-five geraniums, begging jars here and there, you will know how tired Dora was when she had prepared and arranged her rows of plants; how tired and how happy, for it was really a blessed service. She liked to think how they would look in wretched homes, if they could get courage enough to bloom amid such uncongenial surroundings. They were her messages to tempted, sorrowful, barren, human lives, and they were living things. She relieved the back-ache and general feeling of collapse by long-continued gazing at the rows of plants. She met the school on an appointed day, gave the simple instructions, and dwelt enthusiastically on the flower show. A merry little company left the mission school that day, each one hugging a plant jar.

To tell all that came from cultivating that by-way in the vineyard would take too long. Some of the little plants froze, which called attention loudly to the little human plants and their slim chances of escaping a like fate—so loudly, indeed, that a relief commission investigated the places and brought help and warmth. Flowers blossomed in windows formerly unused to beauty. Cleaner rooms and dresses and faces and lives became the accompaniments and were the direct results of blooming windows. "That flower show," Dora declared, "came to the girl without a talent like the benediction that follows after prayer."

One poor, little, forlorn plant, with only three disconsolate leaves, and they looking as if about to give up the life-struggle, brought out the fact that the owner had kept it alive in a basement by dint of the tenderest care. Oh, it told a whole story. that little, pitiful.

half-dead plant, and Dora saw to it that a prize was awarded to the sad little owner, for "evidences of culture under difficulties." It was actually said that the child would give it an airing every pleasant day, taking it to walk with her in a most companionable spirit, which probably had kept the breath of life in it. I can't stop to tell of the profusion of wild flowers, or the dismay of healthy plants, or the delight of the children when gala day came. Sufficient to say, that because one girl cultivated her specialty, not despising its littleness, but consecrating it to Christian service, influences of heavenly origin, taking hold of the future far beyond human ken, reached down and lifted up, to better living and brighter hopes, the poor and halt and maimed and blind.—*Christian Union*,

• OUT OF DOORS FOR WOMEN •

Oh, it is just grand! It opens wide the Door, that the light from Liberty's Beacon may shine upon woman's pathway, as she so willingly does her part of co-operative work in the great field of usefulness for humanity's weal. It will eventually be more elevating to man as well as woman to reach a higher plane of living in this world, and will hasten the day when the kingdom of this earth shall be as it is in heaven. Then posterity can only learn from history that Eden was ever supposed to be lost.

S. M. C.

FREESIA REFRACTA ALBA.

This long name is become familiar to every lover of flowers in the civilized world. It is a native of Africa and belongs to the iris family, a family which gives us a multitude of brilliant flowers which readily adapt themselves to Southern California. It will produce a wealth of fragrant bloom the first year from seed, and is so easily grown that it is within the reach of the humblest housekeeper.

We will gladly mail a packet of seed to any subscriber sending stamp for postage.

Just a thought to give thee pleasure,
Just a hope to gild the way,
Just a word to speak of Jesus,
Do you love Him as you may?

CENTURY PLANTS.

The agaves form a beautiful class of decorative plants, tropical in aspect, and belong to the amaryllis family, though often erroneously considered as belonging to the cactus family. They are called century plants from another popular fallacy, that they require 100 years before blooming. In tropical countries they attain maturity, blossom and die, in less than twenty years usually.

AGAVE AMERICANA Linnaeus. The mescal plant of Mexico, from which a useful fibre is secured. Pulque, the national drink of Mexico, is produced mainly from this plant, and the juice is also distilled into an alcoholic beverage known by the name of mescal. Thousands of acres are devoted to its cultivation in Mexico, where it ranks with corn, wheat and beans in commercial importance. It makes rapid growth, attaining to a large size, and in the United States is largely planted for its decorative value.

Var. *VARIEGATA* Hort. Large, broad leaves, margined with white, the finest of many forms in cultivation.

AGAVE SHAWII Engelmann. Very compact, dark olive-green leaves, margined with stout spines. Peculiar to the coast region of Southern and Lower California.

STAPELIAS, OR "TOAD CACTUS."

These curious plants, native to South Africa, belong to the asclepias (or milkweed) family, but are popularly known by the names "toad cactus," or "carrion cactus," the former from the mottled color of the flower of the best-known variety, the latter from the strong fetid odor exhaled by the flowers. Like most succulents, they are easily grown. There are more than fifty varieties known.

FAIRY FINGER TIPS.

COTYLEDON ATTENUATA Watson. This dwarfish plant is destined to attain great popularity for beds and borders. It was discovered in Lower California in 1886 by C. R. Orcutt, and first introduced into cultivation in 1894. It resembles dwarf *C. Edulis*, and produces panicles of pretty yellowish or rose purple flowers that do not detract from its adaptability for borders or edging to beds.

C. EDULIS Brewer. This sometimes grows two feet across and bears a tall panicle of greenish flowers. It has become widely known under the name of "Finger Tips," from the long, slender leaves, which the Indians of California formerly used as a salad.

E. PULVERULENTA Baker. Large, elegant in form, the broad leaves forming a beautiful rosette and covered with a thick white powder.

C. ORBICULATA Linnaeus. An old-fashioned garden plant, attaining to a tropical luxuriance of growth and producing large pendulous orange-colored flowers of great permanence.

C. LANCEOLATA B. & H. A plant that does well under good treatment, producing a spike of red flowers. The lanceolate flat leaves sometimes of a dull crimson color, but commonly green.

WHAT NOT.

Now that "Debs" and the "Income Tax" is judiciously disposed of, I wonder if Justice Field couldn't solve the constitutional problem—on which so many good men are divided—as to whether woman is a "He, she or it."

If the dear people (men, of course), only knew, it would greatly conduce to their peace of mind, if they would acknowledge our identity as a unit of the same calibre as themselves. Like our brethren, we never want a thing so badly after we have gotten it.

When our legal identity is determined, most of us, no doubt, will be glad to settle back into our old shells and let the "brotherhood" cope with the burdens of life (just what the burdens of life are, is a question). That is, if our old shells are large enough for our increased growth.

Certainty of our position in the world will compel us to emerge from this state of unrest; throw off all that is spasmodic and unwomanly, retaining only that which will add to our physical and intellectual growth.

One of the greatest discoveries woman has made in her outward voyage is Health. The "new woman" is no longer the pale, nerveless creature of the old regime, making wife and motherhood a failure every minute of her miserable life.

She has found out that an active out of doors life is the "open sesame" by which she may regain her lost paradise or unhappy home.

Fresh air and sunshine has made it possible for her to grasp the opportunities which science—by taking from her burdened fingers, spinning, weaving, and other kindred tasks—has given her.

There is a time for everything. But, if she will persist in making soft soaps

and rag carpets, while her husband is enjoying the lecture, concert, or last new magazine, what can the result be, other than estrangement?

Her mind is growing rusty from disuse. His is being brightened by daily contact with higher minds.

I did not intend to "end up" with an excuse for the many lapses of men, but really, sisters, if, in the face of our "new light" we will sink the wife and mother in the sickly household drudge, who is to blame? *Susan Sharp.*

LITERARY NOTES

THE DELINEATOR, woman's favorite magazine, issued by the Butterick Pub. Co., 7 W. 13th st., N. Y., at \$1 a year, is a marvel of freshness, beauty and utility, the great caterer to domestic needs.

THE REVIEW OF REVIEWS is the busy man's magazine, a compend of every thing that happens of national or world renown.

SOCIAL EVILS.

Among the many social evils which are now threatening the very foundation of our Republic, intemperance is one which Christian people admit as being of the most dangerous character.

ARE YOU FOR TEMPERANCE OR DRUNKENNESS?

There is no middle course—your influence is in favor of, or against, the use of intoxicating drink. Does your nearest neighbor know which side you are on? Do your children know that you will not tolerate its use in your home, or do they know that you sometimes use it and offer it to others? Will they do otherwise?

"I DO NOT NEED TO TAKE THE PLEDGE."

Ah! Then you believe in the use of alcohol as a beverage! No!—but you permit others to so think of you. The young man working for you may need your example—you may need it yourself more than you know! What injury you may do someone when you refuse to sign the pledge you may never know, but no harm ever came of signing and keeping the pledge.

ALL THOUGHTFUL WOMEN FAVOR

total abstinence—but many women as well as men have not considered—have not had it so brought home to them as to think seriously,—and it is these who do not seriously consider the position they occupy that are today greatly retarding human progress and endangering the prosperity of rising generations.

THE ROYAL TEMPLARS OF TEMPERANCE is a fraternal beneficiary order, founded in 1877, with unselfish motives, conducted on strict business principles and purely mutual in all of its operations. No secrets from any member; no favoritism to any member; with all the social enjoyments of a grand fraternity, aid to the members while living, assurance of financial aid to those dependent on its members in case of death, it has become the most successful total abstinence mutual benefit order in existence.

INSURANCE FOR WOMEN.

Women enjoy equal rights and privileges with men and meet and act in unison in this order, and children over 8 years are admitted to a junior branch, so that the whole family may be present at every meeting. Any man or woman between the ages of 16 and 50 years, enjoying good physical health, can become a beneficiary member, taking life insurance in any am't. from \$125 to \$2000,--while those between 50 and 55 years can insure up to \$1000. Those not eligible to beneficiary membership may become honorary members.

SECOND ONLY TO CHURCH WORK.

Christians should feel that the temperance cause is a part of their own church work; the Royal Templars are engaged in a Christian enterprise calculated to enlist every humanitarian; total abstinence not only lengthens the duration of human life, but renders that human life better worth the living. Statistics show us that the use of alcoholic beverages cuts $\frac{1}{3}$ off the natural span of existence.

TWO CLASSES OF INSURANCE.

There are two classes of life insurance—one known as the 'old line,' where capitalists have assumed the risk, and generally amassed huge fortunes out of the profits.

The other is termed mutual insurance, and this where honestly conducted has proved immensely cheaper and safer to the insured, and no huge fortunes have been made under this system, but thousands of moderate fortunes have been conserved. The most successful check to dishonesty in these mutual societies has been the Lodge system, and few if any societies thus organised have ever failed to meet obligations. This system has been in operation in Europe for more than 20 years, and fraternal orders have nobly stood the test of time.

IS TEMPERANCE WORK NEEDED IN SAN DIEGO?

Where is the city today where this monster of intemperance is not present? It dominates every rank of society, it corrupts officials and ruins home life and business integrity.

It is desired to establish in San Diego a council of the Royal Templars of Temperance, and every Christian man and woman is invited to co-operate with *OUT OF DOORS FOR WOMEN* in making the attempt a grand success toward the reformation of this fair city by the sea.

Further information may be obtained at No. 365 Twenty-first street, San Diego, where applications for membership will be received.

Among those who have signified a desire to become charter members are:—

Dr. & Mrs. Polhemus
George A. Miller, Sec'y Y.M.C.A.
C.C. & M.F. Eddy
Mrs. E. J. Beck and Miss Beck
Misses Jennie and Vera Hurlbert
Mrs. E.E. Orcutt
C.R. & O.L. Orcutt.

THE HEDGEHOG CACTUS.

ECHINOPSIS MULLERI. A hybrid, of rapid growth, blooming early, and with its large satiny rose-colored flowers is justly called the finest of its class.

ECHINOPSIS EYRIESII ZUCC. This is less bristling in appearance than *E. Mulleri*, but produces lovely pure white flowers in great abundance.

THE SECRETS OF SUCCESS.

The broad roads to a successful industrial reform, based upon 70 years' experience in England, are thus summed up by the Co-operative News: 1—The establishment of co-operative societies for supplying the wants of their members of every kind, whether by purchasing goods wholesale or manufacturing or producing these goods themselves; 2—the establishment of federal associations, such as grain milling and wholesale societies, for supplying the retail societies with goods that the retail societies cannot otherwise obtain so advantageously, and to manufacture or produce these goods when it is found advisable to do so; 3—in doing these things, to pay capital its fair remuneration and pay fair wages to the workers, besides treating the latter in that considerate manner that all co-operators would desire to be treated, and which is the golden rule ordained by Christ; 4—employing surplus capital in employing co-operators to produce for the supply of the outside market, whether in our own or foreign countries, in order that labor may be justly treated and receive its full reward.

INTEREST.

One of the prime factors in our present industrial condition is interest: 80 per cent. of the wealth of the U. S. is interest bearing to-day, and our annual interest charge is \$3,000,000,000 or \$800,000,000 more than our annual increase of wealth! In other words, capital not only demands and receives its share in the increase of our national wealth, but the working man's as well, besides drawing to itself \$800,000,000.00 of the past accumulations of labor yearly! The final result can be nothing short of the industrial enslavement of the people, if the present trend of events is not arrested,—and it is in co-operation that we must find the means of arresting and abolishing interest. Co-operation is successful in so far as it destroys this factor, in which is vested the power of capital—for, shorn of interest capital is weak, like Samson of old when shorn of his beard.

NOTES AND NEWS.

Prof. J. A. Miller of Stanford University has accepted a call to the University of Indiana.

The peach blossom has been selected by a vote of the school children of Delaware as the floral emblem of that state.

Prof. Edward Lee Greene, for many years identified with botanical work on the Pacific Coast, has become identified with the Catholic University, of Washington, D. C.

Prof. E. W. Hilgard, of the State University, has been quite ill but is now convalescent.

Prof. Syington has resigned from Stanford University to go to Amherst College.

YERBA MANSE.

ANEMOPSIS CALIFORNICA B. & H. This is one of the favorite medicinal herbs of the old Spanish Californians, but has won a permanent place in European greenhouses, and should be given the attention it deserves in the land of its birth. It is readily grown in moist soil, the apple-green foliage, frequently blotched with crimson, showing off the rather large white flowers to great advantage.

FROM THE HILLS.

In the first place if you wish to really enjoy the hills you must be firmly convinced of one thing.

Though they are old as the world's self they are greatly in sympathy with youth, and it is a settled fact if you quietly ignore the absurd accident of twenty or thirty years lying between your truth birthday and your introduction to them, they will respond instantly and unlocking all their treasure houses lead you through the realism of fairyland again, until you find the collection of gobblin, brownie and fairy tales which you stigmatized "trash" when you found your small son buried in them, will seem a natural and reasonable continuation of your experience among them.

Come, now, my friend, quietly and between ourselves confess that all the romance and "superstition" of your youth is not entirely blotted out by the struggle for the almighty dollar or the pursuit of fame.

Own up that you have found yourself looking on all sides—perhaps with a shame-faced air and considerable surprise at your own "softness"—for the wonderful fairy rings of green in meadow and woodlands; that you have thought half unconsciously when bending to pluck a gleaming, satiny white lily, of the tiny fay last cradled at its golden heart, or bathed in the bright dew-diamond which your rough touch displaced. You have not? Go to! The world has gone ill with you, my friend. Fly to the hills; leave the office behind; shut up the sewing machine and let the last seven ruffles of Mary's new dress remain unhemmed. Let the Dorcas and the Society of Endeavor to Provide Overcoats for Indigent Hot-tentots be carried on without you for

for awhile. Stop the Delsarte lessons and let the five hour piano practice rest and thereby incidentally be a blessing to the neighborhood where you reside.

Go to the hills, man or woman-soul, tired worn and weary; and when you go, take in your baggage with the resolution to get as much out of Nature as you can.

She is a very indulgent mother, this dear home earth, and the more her children demand of her the more gladly she gives; and the hills are her favorite store houses where she keeps some of her rarest treasures—all yours for the taking.

In the luggage you leave behind I stipulate for one thing; *leave every year after your truth birthday* and in return I promise you unlimited pleasure.

Don't you remember your truth year? The gladness and freedom of it, the brilliancy of the sky, the glory of the sun, all the wonderful promises of life offered before you, the glad young heart in your breast bounding up and out to all the wild sweet voices of the new world so good to look upon through eyes undimmed by life's salt tears of anguish.

Song and laughter trembled on your lips then; no grief was too deep to die with the setting sun, no joy too impossible for you eager hands to grasp at.

Take to the hills but one memory of your childhood, and their grand old rugged faces will break into smiles of welcome. Every little brook will bring you a silver message from the heart of summer; each brown cricket be a fairy to lead you to the enchanted lands of undying flowers, and small gay people, ever happy and helpful.

In every bank of emerald moss, deep cushioned, you will find the holy dreams and trusts of youth's vanished morning.

Each wild flower will banish the

remembrance of some past grief, and the mighty rocks in their calm endurance and unmoved steadfastness under the stones and changes of the seasons, will lend to your very soul some portion of their strength.

Go nearer to the earth, tired friends.

The mother always comforts her children. At her heart is rest for all our unquiet; in her silence, peace; and the hills are our elder brothers, holding out to us their strong rough hands if we will but understand.

Clare Beatrice St. George.

EDITORIAL.

For years we have preserved carefully every book, magazine, newspaper, pamphlet, and even catalogues, and circulars—many literary productions that generally meet destruction, but which have a value in a library which aims to be complete and of use to future ages. It is hoped that this material may ultimately find a permanent home in some public institution; in the meantime we shall appreciate any contributions of literature, and in addition to our thanks we offer liberal exchanges in return of seeds, bulbs, native cacti, advertising space in this magazine, or subscriptions to the same. Nearly every one accumulates in time a mass of literature useless in part to the owner—but do not destroy—we want it saved.

We have several thousand duplicate magazines, books and pamphlets, which we will also exchange, or donate to any public institution that will refund to us the postage. Among them we name:

The Semi-Tropical Planter—complete sets. The Great Southwest—sets incomplete. The Young Men's Journal—nearly complete. The West American Scientist—about 50 odd numbers. The North American Review—

about 50 odd numbers. 10th Annual Report Calif. State Mining Bureau. Miscellaneous books, magazines and pamphlets.

THE VELVET CACTUS.

CEREUS EMORYI Engelm. This is one of the best-known of California cacti, the slender, thickly-set yellowish spines giving it a peculiarly beautiful appearance. The spines on the young joints are shorter, soft and flexuous; the flowers are yellowish, followed by a small edible fruit.

ALLIUM HAEMATOCHITON Watson.

The mesas and hills around San Diego are decked in springtime with the clusters of bright purplish-tinted flowers of this wild onion, which deserves a prettier name at the hands of its friends. It does not prove quite hardy in New England, but will give enough pleasure for the cost of growing in the house among its more showy cousins.

THE CHOLLAS.

A former characteristic of Southern California landscapes were the thickets of cholla cacti, which still decorate some of our uncleared hillsides, and abounds in the desert regions and unsettled parts of Lower California and Mexico. The cholla belongs to the same genus as the prickly pear, but differs mainly in the cylindrical, instead of flat, joints and in its non-edible fruits.

OPUNTIA PROLIFERA Engelm. This densely-branching shrub bears a small flower of a pomegranate purple, and once grew in great abundance where the city of San Diego now exists.

OPUNTIA SERPENTINA Engelm. Procumbent, with yellow flowers, comparatively rare in cactus collections.

CALIFORNIA FISH-HOOK CACTUS.

MAMMILLARIA GOODRIDGEI Scheer. A small globular species, closely set with brownish or white spines, the central one curved into a hook. The delicate yellowish white flowers are succeeded by the club-shaped, scarlet berries that possess the flavor of wild-wood strawberries, and are sometimes called "hep-pitallas," the "llavina" of the Mexicans.

THE PARTRIDGE-BREAST ALOE.

ALOE VARIEGATA Linnaeus. An African plant of great beauty, producing spikes of brilliant coral red flowers. It is found in many old-fashioned gardens and receives its common name from the feathery mottling of the leaves.

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THE BACHELOR-GIRL HAS A WORD TO SAY.

"I heard an orator deliver an address at the chamber of commerce in San Diego a short time ago.

The speaker was a nice-looking man, and his flow of language and his gestures were so elegant that I didn't comprehend one word in ten that he said. He was supposed to be addressing "The Taxpayer." His audience consisted of ten women and five men. (By the way this was at a session of the county horticultrists.)

First I heard that if "the teacher's salaries were not reduced all our young women would prefer teaching to matrimony." It is not my intention to repeat all he said, so I will pass on to the remarks that struck me most forcibly.

"Gentlemen," he said (in spite of the fact that we were most of us of the other sex,) "gentlemen we must use our utmost endeavor to discourage our daughters and female friends from rushing into the ranks of labor. Reduce their salaries and give the preference always to men who are the heads of families. Else must we expect women to take the majority of the positions and our men remain unemployed. Such a state of affairs would discourage matrimony—that divinest institution," etc.

But about this time I decided to take a breath of fresh air. I almost thought I was transported back to that free and enlightened portion of Illinois, known as Egypt, where a male principal of the public school gets \$150 a month, and his female assistant, who does most of the work, \$40. Then I remembered that Ambrose Bierce had written something a day or two before about the shamefulfulness of women crowding the men out of all the good positions.

May be it is too bad, so I decided to go and talk it over with Portia. When-

ever I feel a tendency to backslide from the ranks of the New Woman I call on Portia. Portia is a San Diego woman born and bred, and is bright and fresh and as true blue as the surf at Point Loma. She has western ideas—progressive, you know—that woman's sphere is just as large and round as she can make it and fill it.

"It sounds dreadfully, Portia, to hear it said that every woman who takes a position in the ranks of the workers is robbing several others who are supported by the effort of some man who is thus crowded out."

"Stuff and nonsense!" cried Portia. "You go right back and ask that man and Ambrose Bierce, too, how many of those working women are supporting some man's children, or wife or mother, or sister? And as to the 'pretty extravagant school ma'am, just inquire how many are supporting an invalid mother, or father, or helping to pay off the mortgage on the old farm, or giving the younger brother or sister an education, or helping the brother 'who never had any head for books' to start in some business venture? Don't you believe those miserable silurians, my dear. The earnest, hard-working woman has just as equitable a right to a position as any man, and as for the younger women who choose to mark out an independent life for themselves, they have a right to as much as have their brothers."

Portia talked for some time, and quite restored my equanimity. I began to think that after all it was not so dreadful to be earning my own living instead of looking about for somebody to be the head of my family—but still I must confess that I'm quite timid about what "they" will say, and one of these diffusive orators can make me spend a very uncomfortable half hour now and then.

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A woman pale and sickly saw
 Her garden with weeds o'er run,
 A few neglected flowers were parched
 Beneath the noonday sun.

"Out of Doors for Women" reading,
 She saw suggestions fair
 Of what and where might be obtained
 A little flower most rare.

At once she bought the lovely plant
 And tended it with care,
 This brought her out of doors into
 The sunshine and the air.

Before she thought about it much
 She found with great surprise
 Her cheeks were blooming, red and bright
 And sparkling were her eyes.

And then she thought all this was due
 The article she'd seen
 In the "Out of doors for Women,"
 A monthly magazine.

For well she knew it came about
 Just by the little flower
 Which had into the sunshine brought her
 And given her health and power.
Frances Lois Ker.

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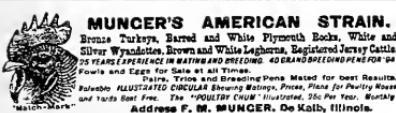
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